

# Achievements

## Program knowledge

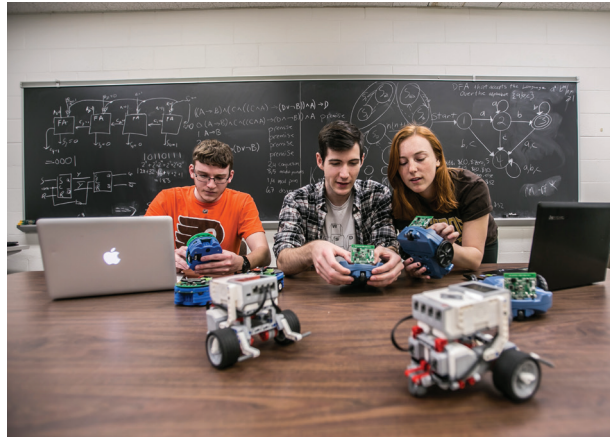
This program emphasizes computer programming and infrastructure platforms. Graduates are prepared for a profession where they will use the following skills:

- Produce robust and correct application code;
- Create and deploy solutions across multiple operating systems;
- Plan and distribute tasks fairly in a group setting;
- Apply diverse techniques to manage projects;
- Proficiency in communication, both within a team and to external stakeholders;
- Demonstrate effective oral and written communication skills;
- Implement sophisticated techniques in a particular domain;
- Literate in emerging areas of computing and informatics;
- Demonstrate an in-depth understanding of legal, security and social issues in technology;
- Effectively decompose a problem and deliver a complete solution in accordance with software engineering principles.

## Rowan University

Rowan University, a leading public institution located in the heart of Southern New Jersey, is ranked among the best public universities in the North by *U.S. News & World Report*.

For more information  
please contact:  
computerscience@rowan.edu  
856-256-4805



COLLEGE OF SCIENCE  
& MATHEMATICS

Department of Computer Science  
201 Mullica Hill Road  
Glassboro, NJ 08028-1701

[rowan.edu/csm](http://rowan.edu/csm)



## Bachelor of Arts

## Computing & Informatics



## About the program

The Bachelor of Arts in Computing and Informatics is designed for students who are interested in pursuing careers in information technology which requires a solid understanding of the principles of computing – but not the underpinnings of computer science theory and mathematics. Such careers include, but are not limited to:

- Programmers
- Infrastructure Administrators
- Support Technicians (e.g., Help Desk support)
- Technical Application Trainers
- Software QA/Testing Engineers
- Computer Service Coordinators
- Deployment Technicians (e.g., end-user support for system releases)
- Technical Documentation Specialists

The Computer Science Department is committed to creating a student-centered learning environment that promotes close student-faculty relationships and enhances intellectual development.

## Curriculum

The curriculum for the major is divided into three major areas: Foundation courses, Basic Core Areas, and Computing and Informatics Electives.

The **Foundation Courses** represent a sequence that is primarily focused on programming skills across a variety of infrastructure platforms. Introductory courses expose students to programming concepts in two different languages (e.g., Java, C++, or Python). Students are also required to master more complex programming via the completion of two Advanced Programming Workshops.

The **Basic Core Areas** cover data structures, database systems, computer networks, and web development. The final core course is a capstone experience, which combines all previous core competencies into a semester-long project that introduces the principles of software engineering and project management. This capstone gives B.A. candidates vital hands-on experience to the entire systems development lifecycle, which prepares graduates for technology projects with future employers.

Finally, students must take four **Computing and Informatics Electives** from a list of technical courses offered by the Computer Science, MIS, and other departments which provide coverage of advanced topic.

Currently, two specializations are available: Mobile Devices and DevOps. The latter specialization is designed to prepare students to develop integration software which bridges applications and infrastructure.



## Bachelor of Arts vs. Bachelor of Science

In comparison to the Bachelor of Science in Computer Science, the Bachelor of Arts in Computing & Informatics requires less computer science, general science, and mathematics coursework.

The B.A. program places a greater emphasis on computer programming and infrastructure platforms. To prepare B.A. graduates for careers in the technology field, the program will provide a background in:

- Applications development (particularly mobile and web applications);
- Project management;
- Database implementations;
- General principles of computer networks and infrastructure;
- Information security.

